### (12) INTERNATIONAL APPLICATION PUBLISHED UNDER THE PATENT COOPERATION TREATY (PCT)

# (19) World Intellectual Property Organization

International Bureau



### 1 (11) 1 (1<del>1) 1 (11) 1 (11) 1 (11) 1 (11)</del> 1 (11) 1 (11) 1 (11) 1 (11) 1 (11) 1 (11) 1 (11) 1 (11) 1 (11) 1 (11)

### (43) International Publication Date 21 May 2004 (21.05.2004)

**PCT** 

## (10) International Publication Number WO 2004/043100 A1

(51) International Patent Classification<sup>7</sup>: H04Q 7/38

(21) International Application Number: PCT/EP2003/012482

(22) International Filing Date:

7 November 2003 (07.11.2003)

(25) Filing Language:

English

(26) Publication Language:

English

(30) Priority Data: 02445147.8

60/427,440

7 November 2002 (07.11.2002) EP 19 November 2002 (19.11.2002) US

- (71) Applicant (for all designated States except US): SONY ERICSSON MOBILE COMMUNICATIONS AB [SE/SE]; S-221 88 Lund (SE).
- (72) Inventor; and
- (75) Inventor/Applicant (for US only): BÖRJESSON, Henrik [SE/SE]; Möllevångsvägen 97, S-222 40 Lund (SE).
- (74) Agents: ÅKERMAN, Mårten et al.; Albihns Malmö AB, P.O. Box 4289, S-203 14 Malmö (SE).
- (81) Designated States (national): AE, AG, AL, AM, AT (utility model), AT, AU, AZ, BA, BB, BG, BR, BY, BZ, CA,

CH, CN, CO, CR, CU, CZ (utility model), CZ, DE (utility model), DE, DK (utility model), DK, DM, DZ, EC, EE (utility model), EE, EG, ES, FI (utility model), FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NI, NO, NZ, OM, PG, PH, PL, PT (utility model), PT, RO, RU, SC, SD, SE, SG, SK (utility model), SK, SL, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW.

(84) Designated States (regional): ARIPO patent (BW, GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZM, ZW), Eurasian patent (AM, AZ, BY, KG, KZ, MD, RU, TJ, TM), European patent (AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IT, LU, MC, NL, PT, RO, SE, SI, SK, TR), OAPI patent (BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG).

#### Declaration under Rule 4.17:

of inventorship (Rule 4.17(iv)) for US only

### Published:

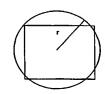
- with international search report
- before the expiration of the time limit for amending the claims and to be republished in the event of receipt of amendments

[Continued on next page]

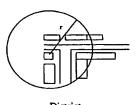
(54) Title: DEVICE AND METHOD FOR GENERATING AN ALERT SIGNAL



Town



Building



(57) Abstract: The invention relates to a device and method for generating an alert signal based on the geographical position of the device, optionally also based on time or date. The alert signal is generated when the device is within a certain distance from a predefined location taking into account the fact that certain tasks or actions can only be taken when the user is at this location. Thus, the invention provides a device for generating an alert signal comprising: positioning means for updating and storing an actual position of the device; location storage means for storing the location of a place of interest; means for storing a request for an alert signal associated with the location of a place of interest; and trigger means for comparing the actual position of the device with the location of a place of interest and triggering generation of said alert signal when the distance between the actual position of the device and the location of a place of interest is less than a predetermined value. The device is suitably a mobile telephone.



1.6

#### 

For two-letter codes and other abbreviations, refer to the "Guidance Notes on Codes and Abbreviations" appearing at the beginning of each regular issue of the PCT Gazette.